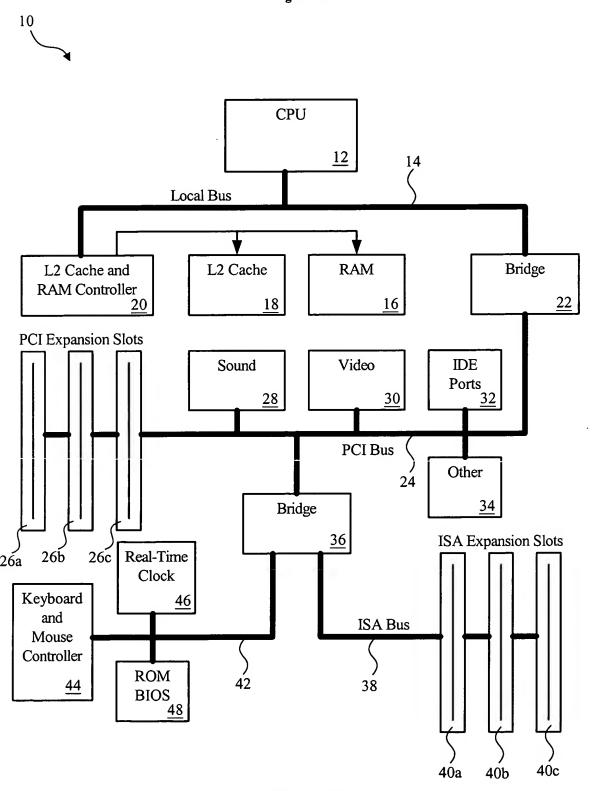
Title: COMPUTER-COMPONENT, POWER-CONSUMPTION MONITORING AND CONTROL Inventor: Hepner et al. Docket No.: 1200.2.80/SJ0920030018US1 (RJB)

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Prior Art

FIG. 1

Inventor: Hepner et al.

Docket No.: 1200.2.80/SJ0920030018US1 (RJB)

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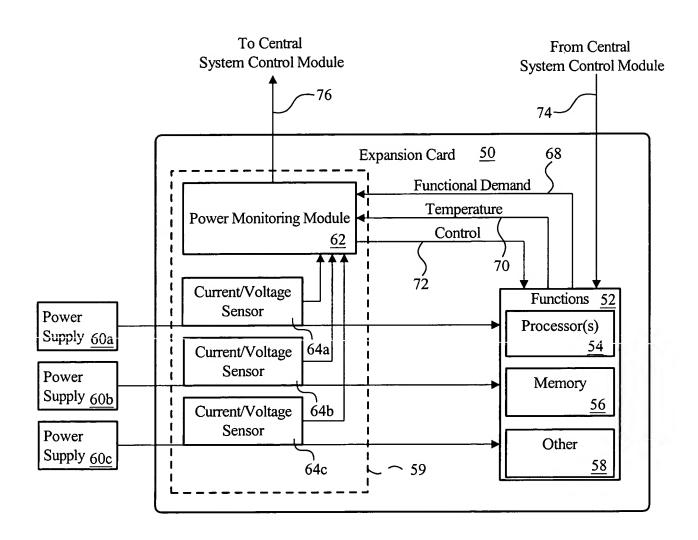


FIG. 2

Title: COMPUTER-COMPONENT, POWER-CONSUMPTION MONITORING AND CONTROL Inventor: Hepner et al.

Docket No.: 1200.2.80/SJ0920030018US1 (RJB) Page 3 f 6

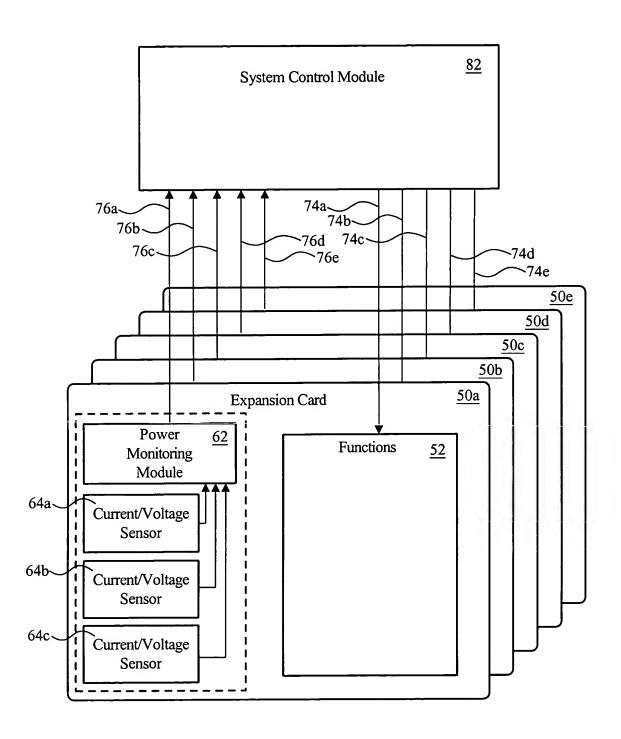


FIG. 3

Title: COMPUTER-COMPONENT, POWER-CONSUMPTION MONITORING AND CONTROL Inventor: Hepner et al.

Docket No.: 1200.2.80/SJ0920030018US1 (RJB) Page 4 of 6

	System C	Control Module 82	
	Monitoring Module 84	Control Module 90	
	Functional Demand 94		
	Operations 110	Shutdown 132	
	Data Rates <u>112</u>	Throttle Up <u>134</u>	
	Cache Hits 114	Throttle Down 136	
	Power Consumption 96 Current 116]	
	Voltage <u>118</u>	W is 94-4-1 140	
	Leakage Currents 120	Other <u>142</u>	
	Temperature 98	Support <u>92</u> Software 106	
	Counters 100		
	Calculation Module 88	Drivers 146	
	Calculation Module <u>88</u> Number of Devices <u>122</u>	Embedded Operating	
124	Allocated Power per Device		
126	Maximum Power Available		
128	Total Power Consumed	Onboard <u>150</u>	
	Safety Factor 130	Offboard <u>152</u>	
		Piggyback 154	

FIG. 4

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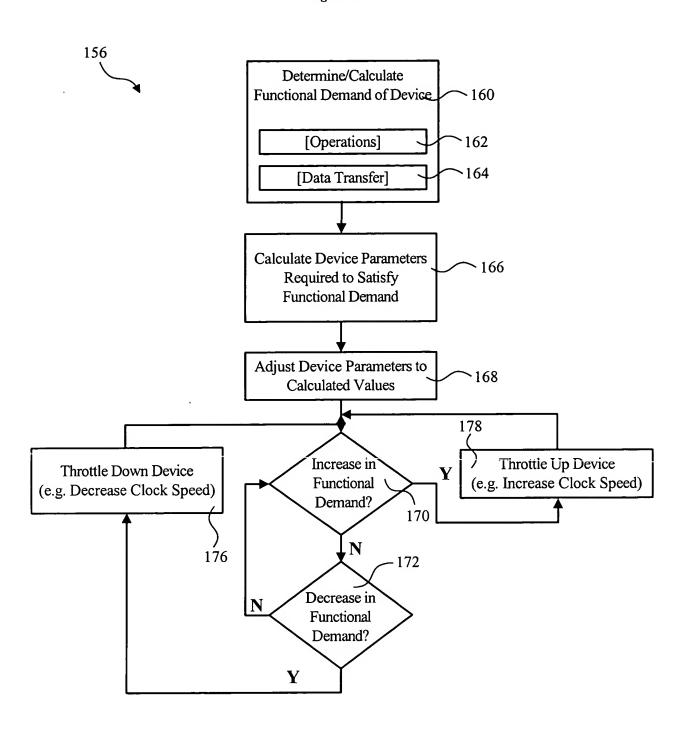


FIG. 5

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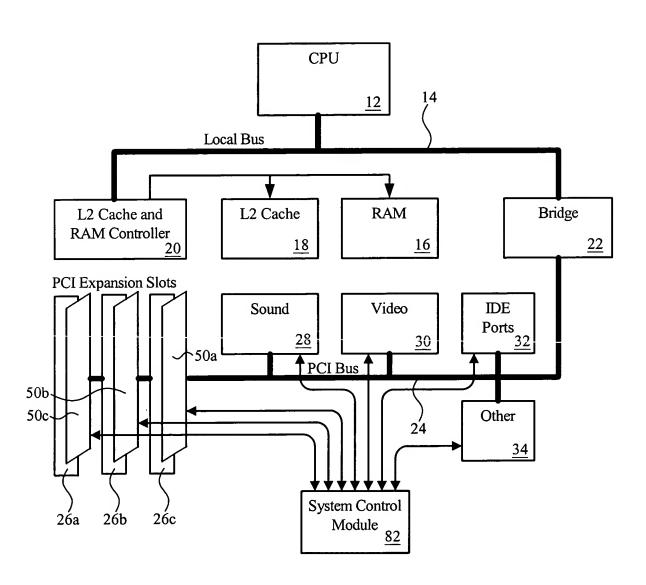


FIG. 6